



Personal System/2
Facts and Features

PS/2 it!

October 1990

Use this handy reference to make quick comparisons of IBM Personal System/2® models—and check their options, too. It presents basic facts and features—as well as attachment cards and enhancement products—for the entire PS/2® family.

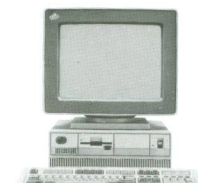
Personal System/2 model comparisons



Personal System/2 Model	25	25 286	30 286
Machine numbers	8525-001, -004, -G01, -G04, -L01, -L04	8525-006, -G06, -036, -G36	8530-E01, -E21, -E31
Processor	8086 8087 8	80286 80287 10	80286 80287 10
Co-processor (optional)			
Speed (MHz)			
Memory cache	None	None	None
Bus architecture	PC	AT	AT
Data path	8-bit	16-bit	16-bit
User memory (RAM)²	512KB–640KB 640KB (-L01, -L04) 640KB	1MB–4MB 16MB ³	1MB–4MB 16MB
Standard–maximum on system board			
System maximum (addressable)			
Integrated functions	Yes MCGA No Yes Yes No Optional Yes No No	Yes VGA No Yes Yes No Optional Yes (-036, -G36) ⁴ Yes Yes	Yes VGA Yes No Yes No Optional Yes Yes Yes
Parallel/serial/pointing device ports			
Graphics			
Display port			
Built-in display			
Disk/diskette controller			
SCSI			
Network adapter			
Key lock			
Clock/calendar			
Security password			
Diskette drives, 3.5-inch	720KB/2	1.44MB/2 (-006, -G06), /1 (-036, -G36)	1.44MB/2 (-E01), /1 (-E21, -E31)
Capacity/maximum number supported			
Fixed disk storage	0–20 80ms	0–30 (-006, -G06) ⁵ 30 (-036, -G36) 27ms (30MB)	0–30 (-E01) ⁵ 20 (-E21) 30 (-E31) 39ms (30MB) 27ms (20MB)
Standard–maximum (MB)			
Average seek time			
Expansion slots (available)	2 ⁶	2 ⁶	3
Power supply	90-watt (-001, -G01, -L01) 115-watt (-004, -G04, -L04)	124.5-watt	90-watt
Operating systems	3.3, 4.0 No No	3.3, 4.0 SE, EE 1.2, 1.3 No	3.3, 4.0 SE, EE 1.2, 1.3 No
DOS			
Operating System/2®			
AIX® Personal System/2			

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¹Processor upgrade (-A61, -A21).
²128KB of this memory is reserved for hardware system use on Models 55 SX, 55 LS, P70 386, 70 386, 70 486.
³Achieving this configuration requires installation of non-IBM memory cards.



50 Z	55 SX	55 LS	65 SX	P70 386	70 386
8550-031, -061	8555-031, -061	8555-LT0, -LE0	8565-061, -121, -321	8573-031, -061, -121	8570-E61, -061, -121, -A61, -A21
80286 80287 10	80386SX™ 80387SX 16	80386SX 80387SX 16	80386SX 80387SX 16	80386™ 80387 16 (-031) 20 (-061, -121)	80386/486™¹ 80387 16 (-E61) 20 (-061, -121) 25 (-A61, -A21)
None	None	None	None	None	64KB (-A61, -A21)
Micro Channel® 16-bit	Micro Channel 16-bit	Micro Channel 16-bit	Micro Channel 16-bit	Micro Channel 32-bit	Micro Channel 32-bit
1MB-2MB	2MB-8MB	2MB-8MB	2MB-8MB	2MB-8MB (-031) 4MB-8MB (-061, -121) 16MB	2MB-6MB (-E61, -061, -121) 2MB-8MB (-A61, -A21) 16MB
16MB	16MB	16MB	16MB		
Yes VGA Yes No Yes Optional Optional Yes Yes Yes Yes	Yes VGA Yes No Yes Optional Optional Yes Yes Yes Yes	Yes VGA Yes No Yes Optional Token-Ring or Ethernet™ Yes Yes Yes Yes	Yes VGA Yes No Yes Standard Optional Yes Yes Yes Yes	Yes VGA Yes Yes/gas plasma Yes Optional Optional No Yes Yes Yes	Yes VGA Yes No Yes Optional Optional Yes Yes Yes Yes
1.44MB/2	1.44MB/1	0/1 (1.44MB)	1.44MB/2	1.44MB/1	1.44MB/2
30 (-031) 60 (-061)	30 (-031) 60 (-061)	0-60	60-1GB (-061) 120-1.1GB (-121) 320-1.28GB (-321)	30 (-031) 60 (-061) 120 (-121)	60 (-E61, -061, -A61) 120 (-121, -A21)
39ms (30MB) 27ms (60MB)	39ms (30MB) 27ms (60MB)	32ms (30MB) 23ms (60MB)	23ms (60MB, 120MB) 12.5ms (320MB)	19ms (30MB) 27ms (60MB) 23ms (120MB)	27ms (60MB) 23ms (120MB)
3	3	2	7	2⁶	3
94-watt	90-watt	90-watt	250-watt	85-watt	132-watt
3.3, 4.0 SE, EE 1.2, 1.3 No	3.3, 4.0 SE, EE 1.2, 1.3 1.2 (-061)	3.3, 4.0 No⁷	3.3, 4.0 SE, EE 1.2, 1.3 1.2	3.3, 4.0 SE, EE 1.2, 1.3 1.2 (-061, -121)	3.3, 4.0 SE, EE 1.2, 1.3 1.1, 1.2

⁴Secures fixed disk only.

⁵Second diskette drive and fixed disk are mutually exclusive.

⁶One full-size, one half-size; 8525-L01, -L04 models use half-size slot for Token-Ring Adapter.

⁷OS/2 client support will be available in a future release of OS/2 LAN Server.

⁸AIX Personal System/2 available in a future release.

⁹Models 65 SX, 80 386, 90 XP 486, and 95 XP 486 have built-in SCSI adapters; all other supported models must have SCSI adapter installed.



70 486

8570-B61, -B21

i486
Built-in
25

8KB
Micro Channel
32-bit

2MB-8MB
16MB

Yes
VGA
Yes
No
Yes
Optional
Optional
Yes
Yes
Yes

1.44MB/2

60 (-B61)
120 (-B21)

27ms (60MB)
23ms (120MB)

3

132-watt

3.3, 4.0
SE, EE 1.2, 1.3
1.2

80 386

8580-081, -161, -321,
-A16, -A31

80386
80387
20 (-081, -161, -321)
25 (-A16, -A31)

64KB (-A16, -A31)
Micro Channel
32-bit

2MB-4MB (-081, -161, -321)
4MB-8MB (-A16, -A31)
16MB

Yes
VGA
Yes
No
Yes
Standard
Optional
Yes
Yes
Yes

1.44MB/2

80-1.04GB (-081)
160-1.12GB (-161, -A16)
320-1.28GB (-321, -A31)

17ms (80MB)
16ms (160MB)
12.5ms (320MB)

7

225-watt
242-watt (-A16, -A31)

3.3, 4.0
SE, EE 1.2, 1.3
1.2

90 XP 486

8590-0J5, -0J9, -0KD

i486
Built-in
25 (-0J5, -0J9)
33 (-0KD)

8KB (256KB optional)
Micro Channel
32-bit

4MB-32MB
32MB

Yes
XGA
Yes
No
Yes
Standard
Optional
Yes
Yes
Yes

1.44MB/2

80-720 (-0J5)
160-800 (-0J9)
320-960 (-0KD)

17ms (80MB)
16ms (160MB)
12.5ms (320MB)

3

194-watt

3.3, 4.0
SE, EE 1.2, 1.3
Yes⁸

95 XP 486

8595-0J9, -0JD, -0KD

i486
Built-in
25 (-0J9, -0JD)
33 (-0KD)

8KB (256KB optional)
Micro Channel
32-bit

4MB-32MB
32MB

Yes
XGA
Yes
No
Yes
Standard
Optional
Yes
Yes
Yes

1.44MB/2

160-1.44GB (-0J9)
320-1.6GB (-0JD, -0KD)

16ms (160MB)
12.5ms (320MB)

6

329-watt

3.3, 4.0
SE, EE 1.2, 1.3
Yes⁸

IBM PS/2 options

[illegible]

[illegible]

Other features

Additional cards and options are available—consult your IBM marketing representative or IBM Authorized Dealer.

****** There is more than one part number for this type of device, depending on specific systems supported.

***There is more than one part number for this type of option, depending on the amount of on-card memory and other functions desired.



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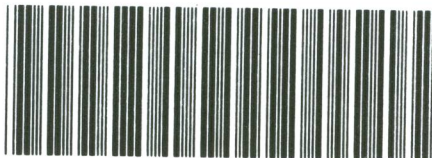
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